TEST REPORT OF AGGEGRATE STRIPPING VALUE OF ROAD AGGRGATE (IS:6241)

Lab ID	:	**CP-RW-2017-08-28-01** **Date: 31-08-17**
Customer	:	Asisstant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads MEI Layout 11th, 13th, 14th, Main Road and Other Cross Roads in Bagalagunte in ward no.14.
Agency	:	Technical Manager (West), KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-10.
Customer Reference	:	BBMP/EE/DD/WO/028/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-08-17
Sample ID No	:	2017-08-28-01-01
Type of Mix	:	BC(Bitumenous Concrete)
Date of test	:	28-08-17

Type of Binder	:	60/70
% of Binder Used	:	5.0%
Weight of Aggregate	:	200.0 gm
Weight of Binder	:	10.0 gm
Temperature of water bath	:	40°C

No of test	Retained Stripping Percentage	Stripping Percentage	Average Retained Stripping Percentage	Secified limits as per MORTH specification table 500-8
1	98.0	2.0	98.2	Minimum Retained Coating 95%
2	98.5	1.5		
3	98.0	2.0		

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
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Samples will be disposed after 30 days from the date of issue of test certificate

FOR CIVIL Pro.

CIVIL PRO BANGALORE Sig..... Date.....

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
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****End of Report****

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TESTS RESULTS ON STABILITY OF MIX

Lab ID	:	**CP-RW-2017-08-28-01** **Date: 31-08-17**
Customer	:	Asisstant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads MEI Layout 11th, 13th, 14th, Main Road and Other Cross Roads in Bagalagunte in ward no.14.
Agency	:	Technical Manager (West), KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar,
Customer Reference	:	BBMP/EE/DD/WO/028/2017-18
Source of Sample	:	Hot Mix Plant, Bangalore
Sample Condition	:	Satisfactory
Date of Receipt	:	28-08-17
Sample ID No	:	2017-08-28-01-01
Type of Mix	:	BC (Bituminous Concrete)
Date of test	:	28-08-17

The results of the tests conducted on the Bituminous Concrete mix sample are as follow

Sl.No	Particulars of observations	TEST 1	TEST 2	Secified limits as per MORTH specification table 500-11
1	Marshal Stability at 60°C, KN	11.14	11.03	10KN(min)
2	Marshal flow at 60°C, mm	3.52	3.61	2-4
3	Percent air Voids	4.82	4.73	3-5
4	Percent Voids in mineral Aggregate(VMA %)	14.28	14.16	13-15
5	Percent Voids filled with Bitumen(VFB %)	71.87	70.63	65-75
6	Density, g/cc	2.25	2.26	–

Note:-
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TEST RESULTS OF GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	**CP-RW-2017-09-05-01**	**Date: 07-09-17**
Customer	:	Asisstant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.	
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.	
Project Name	:	Improvements to Roads MEI Layout 11th, 13th, 14th, Main Road and Other Cross Roads in Bagalagunte in ward no.14.	
Agency	:	Technical Manager (West), KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-10.	
Customer Reference	:	BBMP/EE/DD/WO/028/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	05-09-17	
Sample ID No	:	2017-09-05-01-01	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	05-09-17	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	501
2	Weight of the sample After extraction	B	469	470
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	6.20	6.19
4	Average percentage	%	6.2	

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Lab ID : CP-RW-2017-09-05-01 **Date: 07-09-17**

Sample ID : 2017-09-05-01-01

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 469

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	0	0	0.0	100.0	90-100
9.5	88	88	18.8	81.2	70-88
4.75	118.5	206.5	44.0	56.0	53-71
2.36	31.5	238	50.7	49.3	42-58
1.18	29	267	56.9	43.1	34-48
0.6	36	303	64.6	35.4	26-38
0.3	49	352	75.1	24.9	18-28
0.15	33	385	82.1	17.9	12-20
0.075	59	444	94.7	5.3	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 478

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	0	0	0.0	100.0	90-100
9.5	94	94	19.7	80.3	70-88
4.75	110	204	42.7	57.3	53-71
2.36	43	247	51.7	48.3	42-58
1.18	31	278	58.2	41.8	34-48
0.6	47	325	68.0	32.0	26-38
0.3	53	378	79.1	20.9	18-28
0.15	10	388	81.2	18.8	12-20
0.075	54	442	92.5	7.5	4-10

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End of Report

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